

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Alumex Products, Inc. 3151 E. 11th Avenue Hialeah, FL 33013

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "WS-4500" Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. W09-45, titled "Series WS-4500 Alum. Window Wall System (LMI)", sheets 1 through 9 of 9, dated 09/02/09, with revision G dated 08/05/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 15-0601.09 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.

NOA No. 16-0525.05

Expiration Date: May 12, 2020 Approval Date: October 27, 2016

Page 1

MIAMI-DADE COUNTY
APPROVED

Alumex Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No.10-0209.05)
- 2. Drawing No. **W09-45**, titled "WS-4500 Alum. Window Wall System (L.M.I.)", sheets 1 through 9 of 9, dated 09/02/09, with revision G dated 08/05/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Architectural Testing, Inc., Test Report No.

ATI 91200.01-401-18, dated 12/16/09, with addendum letter dated 04/15/10, both signed and sealed by Joseph A. Reed, P.E.

(Submitted under NOA No.10-0209.05)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), dated 06/04/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

(Submitted under NOA No. 15-0601.09)

2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 06/25/15, expiring on 07/04/18.
- 2. Notice of Acceptance No. 14-0423.16 issued to Eastman Chemical Company (MA) for their "Saflex HP Clear or Color Glass Interlayers" dated 06/19/14, expiring on 04/14/18.
- 3. Notice of Acceptance No. 16-0208.12 issued to Polymer Extrusion Technology, Inc. dba Glasslam for their "Glasslam Safety-Plus II Glass Interlayer" dated 06/16/16, expiring on 08/07/18.

Jorge M. Plasencia, P.E. Product Control Unit Supervisor NOA No. 16-0525.05 Expiration Date: May 12, 2020

Approval Date: October 27, 2016

Alumex Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

- 1. Statement letter of conformance, complying with **FBC** 5th **Edition (2014)**, and of no financial interest, dated 02/25/16, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Laboratory compliance letter for Test Report No. **ATI 91200.01-401-18** issued by Architectural Testing, Inc., dated 12/16/09, signed and sealed by Joseph A. Reed, P.E. (Submitted under NOA No.10-0209.05)
- 3. Statement letter dated September 15th, 2016, issued by Alumex Industries, LLC that it has legally sold all assets, knowhow to Alumex Group Inc. and given-up all rights to NOA # 13-0325.01, 13-0325.02 & #15-0601.09 and requested to rescind the referenced NOA(s).
- 4. Bill of sale dated 08/26/15 between Alumex Industries, LLC and Alumex Group Inc., signed by Greg George, president and Gabriel Parades, president on behalf of their respective companies.
- 5. Statement letter dated 08/05/16, issued by Alumex Group, Inc. that it has legally purchased all assets and ownership of the NOA(s) # 13-0325.01, 13-0325.02 & #15-0601.09 and request that the ownership be assigned to Alumex Product Inc., signed by Gabriel Parades, president Alumex Group Inc.
- 6. Statement letter dated 09-26-16, issued by Alumex Group Inc., stating that Alumex Group Inc., and Alumex Products Inc, are both wholly owned by the same principal and request that NOA(s) issued under Alumex Products Inc, signed by Gabriel Paredes, president & CEO of Alumex Group Inc. and Alumex Products Inc.

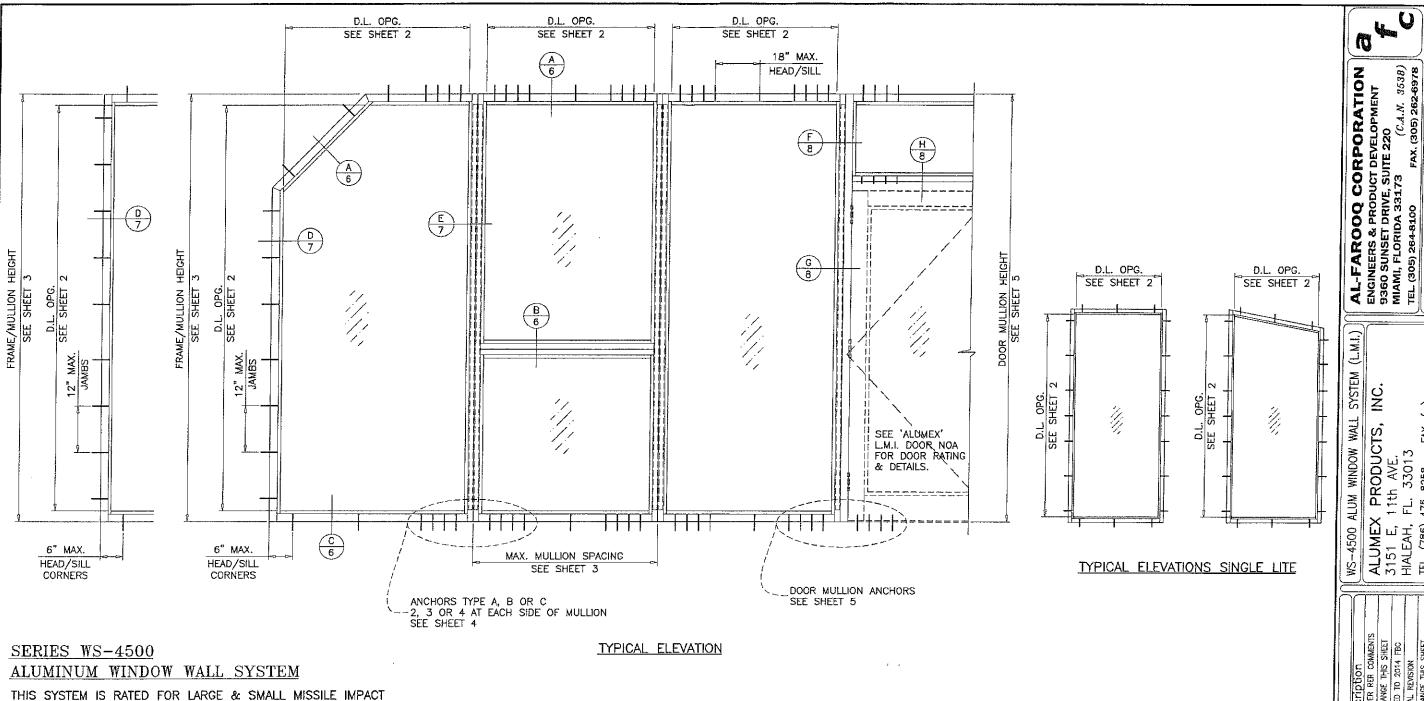
G. OTHERS

1. Notice of Acceptance No. **15-0601.09**, issued to Alumex Industries, LLC for their Series "WS-4500" Aluminum Storefront - LMI, approved on 10/22/15 and expiring on 05/12/20.

Jorge M. Plasencia, P.E. Product Control Unit Supervisor

NOA No. 16-0525.05 Expiration Date: May 12, 2020

Approval Date: October 27, 2016



SHUTTERS ARE NOT REQUIRED.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE.

INSTRUCTIONS:

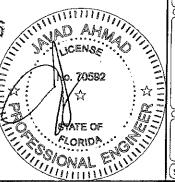
USE CHARTS AS FOLLOWS.

- DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2 SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3 CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4 USING CHARTS ON SHEET 4 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5 THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM. THIS VALUE SHOULD MEET OR EXCEED THE DESIGN WIND LOAD REQUIREMENT OBTAINED IN STEP 1 ABOVE.

AUG 19 2016 **PRODUCT REVISED** as complying with the Florida **Building Code**

16-0525.05 NOA-No. Expiration Date 05/12/2020

Miami-Dade Product Control



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date: 09-02-09		scale: 1/2"=1-0"		dr. by: TARIQ		CIIK, DY:
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ALUMEX PRODUCTS, 3151 E, 11th AVE, HIALEAH, FL. 33013

W09 - 45sheet 1 of 9

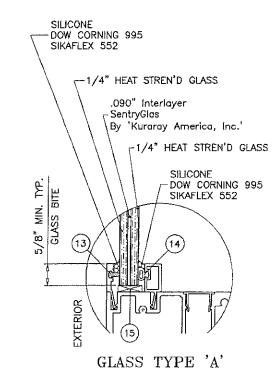
	GLASS LOAD CAPACITY - PSF								
				GLASS TYPES					
l	NOMIN.	AL DIMS.	'A', 'B'	& 'C'					
l	D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)					
	30"		133.0	150.0					
	36"		133.0	150.0					
l	42"	84"	133.0	137.1					
l	48"	04	120.0	120.0					
l	54"		106.7	106.7					
	60"		96.0	96.0					
l	30"		133.0	150.0					
	36"		133.0	150.0					
۱	42"	90"	133.0	137.1					
	48"	. 50	120.0	120.0					
	54"		106.7	106.7					
	60"		96.0	96.0					
l	30"		133.0	150.0					
П	36"		133.0	150.0					
П	42"	96"	133.0	137.1					
	4 8"	50	120.0	120.0					
	54"		106.7	106.7					
	60"		96.0	96.0					
	30"	30"		150.0					
	36"		133.0	150.0					
	42"	102"	133.0	137.1					
ĺ	48"		120.0	120.0					
	54"		106.7	106.7					
	30"		133.0	150.0					
	36"	108"	133.0	150.0					
١	42"	, 50	133.0	136.2					
	48"		120.0	120.0					
١	30"	•	133.0	150.0					
	36"	114"	133.0	150.0					
	42"	11.7	133.0	134.5					
-	48"		120.0	120.0					
	30"		133.0	150.0					
	36"	120"	133.0	150.0					
	42"		133.0	133,0					
L	48"		120.0	120,0					

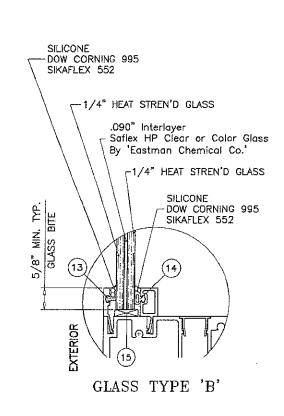
0,1.0 D.L.O. HEIGHT HEIGHT Ö

D.L.O. WIDTH

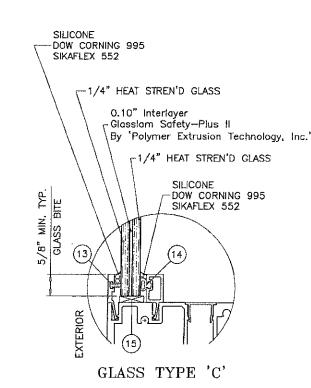
D.L.O. WIDTH

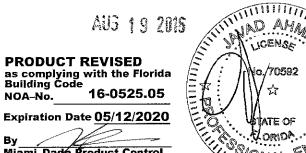
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).





GLAZING OPTIONS





No. 70592

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C 06.06.13

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E 06.08.15

F 02.24.16

G 08.05.16

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

SYSTEM (L.M.I.)

WALL

ALUM WINDOW

WS-4500

NC.

ALUMEX PRODUCTS, 1 3151 E, 11th AVE. HIALEAH, FL. 33013 TEL. (786) 475–8258 FAX. (-

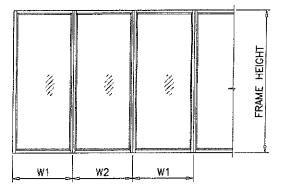
sheet 2 of 9

GLASS

Miami-Dade Product Control

MULLION LOAD CAPACITY — PSF WITHOUT INTERMEDIATE HORIZONTALS								
NOMIN	AL DIMS.	MUL	L 'M1'	MUL	L 'M2'			
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)			
30"		120.0	120.0	133.0	150.0			
36"		120.0	120.0	133.0	150.0			
42"	247	120.0	120.0	133.0	150.0			
48"	84"	120.0	120.0	133.0	150.0			
54"		120.0	120.0	133.0	150.0			
60"		120.0	120.0	133.0	150.0			
30"		120.0	120.0	133.0	150.0			
36"		120.0	120.0	133.0	150.0			
42*		120.0	120.0	133.0	150.0			
48"	90"	120.0	120.0	133.0	150.0			
54"		120.0	120.0	133.0	150.0			
60"		113.3	113.3	133.0	150.0			
30"		120.0	120.0	133.0	150.0			
36"		120.0	120.0	133.0	150.0			
42"	96*	120.0	120.0	133.0	150.0			
48"		115.6	115.6	133.0	150.0			
54"		105.3	105.3	133.0	150.0			
60"		97.5	97.5	133.0	150.0			
30"		120,0	120.0	133.0	150.0			
36"	[120.0	120.0	133.0	150.0			
42"	102"	113.8	113.8	133.0	150.0			
48*		101.4	101.4	133.0	150.0			
54"		92.1	92.1	133.0	144.7			
30"		120.0	120.0	133.0	150.0			
36"	108"	116.1	116.1	133.0	150.0			
42*	, 55	100.9	100.9	133.0	150.0			
48"		89.7	89.7	131.7	141.0			
30"	1	120.0	120.0	133.0	150.0			
36"	114"	103.8	103.8	133.0	150.0			
42 "		90.1	90.1	132.3	141.5			
48"		79.9	79.9	117.4	125.6			
30"		110.2	110.2	133.0	150.0			
36*	120"	92.9	92.9	133.0	146.0			
42"	'-"	80.7	80.7	118.5	126.8			
48"		71.7	71.7	105.3	112.7			

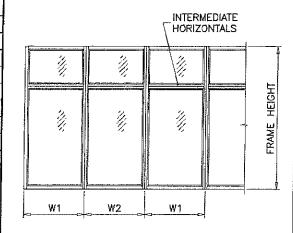
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) =

WITH INTERMEDIATE HORIZONTALS							
NOMIN	OMINAL DIMS. MULL 'M1' MULL 'M2						
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT_(-)		
30"		120.0	120.0	133.0	150.0		
36"		120.0	120.0	133.0	150.0		
42"	84"	120.0	120.0	133.0	150.0		
48"	04	120.0	120.0	133.0	150.0		
54"		120.0	120.0	133.0	150.0		
60*		111.0	111.0	133.0	150.0		
30"		120.0	120.0	133.0	150.0		
36"		120.0	120.0	133.0	150.0		
42"	00"	120.0	120.0	133.0	150.0		
48"	90"	120.0	120.0	133.0	150.0		
54"		107.4	107.4	133.0	150.0		
60"		96.7	96.7	133.0	150.0		
30"		120.0	120.0	133.0	150.0		
36"	96"	120.0	120.0	133.0	150.0		
42"		120.0	120.0	133,0	150.0		
48"		106.2	106.2	133.0	150,0		
54"		94.4	94,4	133.0	148.4		
60"		85.0	85.0	124.8	133.6		
30"		120.0	120.0	133,0	150.0		
36*		120.0	120.0	133.0	150.0		
42"	102"	107.5	107.5	133.0	150.0		
48"	Ī	94.1	94.1	133.0	147.9		
54*		83.6	83.6	122.8	131.5		
30"		120.0	120.0	133.0	150.0		
36"	108"	111.9	111.9	133.0	150.0		
42"	100	95.9	95.9	133.0	150.0		
48"		83.9	83.9	123.3	131.9		
30"		120.0	120.0	133.0	150.0		
36"	114"	100.4	100.4	133.0	150.0		
42"	117	86.1	86.1	125.4	135.3		
48"		75.3	75.3	110.6	118.4		
30"		107.7	107.7	133.0	150.0		
36"	120"	89.8	89.8	131.9	141.1		
42"	120"	77.0	77.0	113.0	121.0		
48"	Γ	67.3	67.3	98.9	105.9		

MULLION LOAD CAPACITY - PSF



WIDTH (W) =

ij	
SYSTEM	Š.
I	==

AL-FAROOQ CORPORATION
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TEL (305) 264-8100 FAX. (305) 262-6978

ALUMEX PRODUCTS, 3151 E, 11th AVE. HIALEAH, FL. 33013

WS-4500 ALUM WINDOW WALL

| revisions: | no date | c 06.06.13 | D 08.15.13 | E 06.08.15 | F 02.24.16 | c 08.05.16

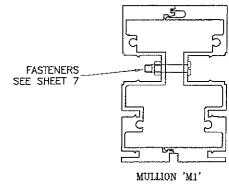
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drawing no. W09 - 45sheet 3 of 9

NOTE:

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



Ix IN^4 Sx IN^3 10.7569 4.5803

	Ix IN^4	Sx INT
ALUMINUM	10.7569	4.5803
 STEEL	4.4132	2.5218
TOTAL	23.5552	

MULLION 'M2'

MULLIONS

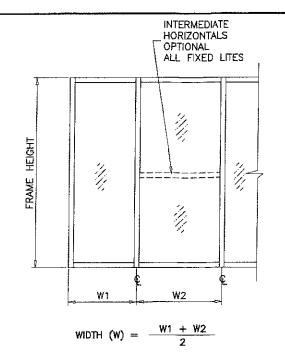
AUG 19 2016 PRODUCT REVISED as complying with the Florida Building Code NOA-No. 16-0525.05 NOA-No.

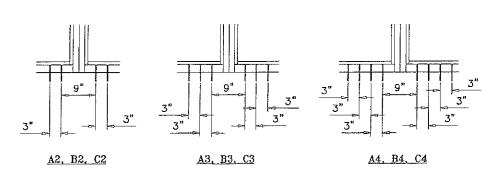
	Expiration Date <u>05/12/2020</u>
1	Ву
	Miami-Dade Product Control
]	

	Ix IN^4	Sx IN^3	
Ξ	10.7569	4.5803	
	4.4132	2.5218	M
9	23.5552		141

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)										
NOMIN	NOMINAL DIMS. ANCHORS TYPE 'A' ANCHORS TYPE 'B' ANCHORS TYPE					PE 'C'				
WIDTH (W)	FRAME HEIGHT	A2	A 3	A4	B2	B3	B4	C2	C3	C4
30"		117.9	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36"		98.3	147.4	150.0	148.6	150,0	150,0	150.0	150.0	150.0
42"	0.45	84.2	126.4	150.0	127.3	150.0	150.0	150.0	150.0	150.0
48"	84"	73.7	110.6	147.4	111.4	150.0	150.0	136.9	150.0	150.0
54"		65.5	98.3	131.0	99.0	148.6	150.0	121.7	150.0	150.0
60"		59.0	88.5	117.9	89.1	133.7	150.0	109.5	150.0	150.0
30"		110.1	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36 "		91.7	137.6	150.0	138.7	150.0	150.0	150.0	150.0	150.0
42"	0.0*	78.6	117.9	150.0	118.9	150.0	150.0	146.0	150.0	150.0
48"	90*	68.8	103.2	137.6	104.0	150.0	150.0	127.7	150.0	150.0
54"		61.2	91.7	122.3	92.4	138.7	150.0	113.5	150.0	150.0
60"		55,0	82.6	110.1	83.2	124.8	150.0	102.2	150.0	150.0
30"		103.2	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36"		86.0	129.0	150.0	130.0	150.0	150.0	150.0	150.0	150.0
42"	001	73.7	110.6	147.4	111.4	150.0	150.0	136.9	150.0	150.0
48"	96"	64.5	96.8	129.0	97.5	146.3	150.0	119.8	150.0	150.0
54"		57.3	86.0	114.7	86.7	130.0	150.0	106.4	150.0	150.0
60"		51.6	77.4	103.2	78.0	117.0	150.0	95.8	150.0	150.0
30"		97.1	145.7	150.0	146.8	150.0	150.0	150.0	150.0	150.0
36"		80.9	121.4	150.0	122.4	150.0	150.0	150.0	150.0	150.0
42"	102"	69.4	104.1	138.8	104,9	150.0	150.0	128,8	150.0	150.0
48"		60.7	91.1	121.4	91.8	137.6	150.0	112.7	150.0	150.0
54"		54.0	80.9	107.9	81.6	122.4	150.0	100.2	150.0	150.0
30"		91.7	137.6	150.0	138.7	150.0	150.0	150.0	150.0	150.0
36"	108"	76.4	114.7	150.0	115.6	150.0	150.0	141,9	150.0	150.0
42"	103	65.5	98.3	131.0	99.0	148.6	150.0	121.7	150.0	150.0
48"		57.3	86.0	114.7	86.7	130.0	150.0	106.4	150.0	150.0
30"		86.9	130.4	150.0	131.4	150.0	150.0	150.0	150.0	150.0
36"	114"	72.4	108.6	144.8	109.5	150.0	150.0	134.5	150.0	150.0
42"		62.1	93.1	124.2	93.8	140.8	150.0	115.2	150.0	150.0
48"		54.3	81.5	108.6	82.1	123.2	150.0	100.8	150.0	150.0
30"		82.6	123.8	150.0	124.8	150.0	150.0	150.0	150.0	150.0
36"	120"	68.8	103.2	137.6	104.0	150.0	150.0	127.7	150.0	150.0
42"	,20	59.0	88.5	117.9	89.1	133.7	150.0	109.5	150.0	150.0
48"		51.6	77.4	103.2	78.0	117.0	150.0	95.8	143.7	150.0

NOTE: INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.





ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION

A3=(3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION B3=(3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION C3=(3) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION

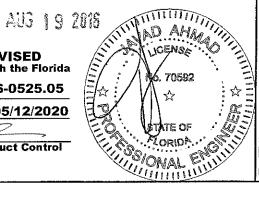
A4=(4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION B4=(4) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION C4=(4) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION

PRODUCT REVISED

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 16-0525.05

Expiration Date 05/12/2020

By Miami-Dade Product Control



	AL-FAROOD CORPORATION	ENGINEERS & PRODUCT DEVELOPMENT	9360 SUNSET DRIVE, SUITE 220	MIAMI, FLORIDA 33173 (C.A.N. 3538)	TEL, (305) 264-8100 FAX, (305) 262-6978	STORE\WOO	ALC: C
ME AEOR ALIM WINDOW WALL CHEEK	M3-4300 ALUM WINDOW WALL STSIEM (L.M.I.)	ALLIMEY DECIDENCE INC		0.01 E, 1.17 AVE.	MALEAH, FL. 33013	U TEL. (786) 475−8258 FAX. (−)	
	by description	REV, PER RER COMMENTS	NO CHANGE THIS SHEET	NO CHANGE THIS SHEET	GENERAL REVISION	NO CHANGE THIS SHEET	
revisions:	no date by	C 06.06.13	D 08.15,13	E 06.08.15	F 02.24,16	G 08.05.16	

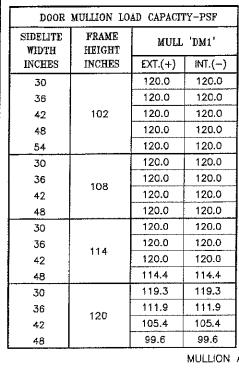
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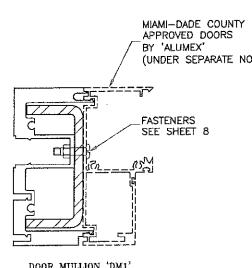
sheet 4 of 9

drawing

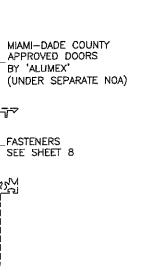
W09 - 45

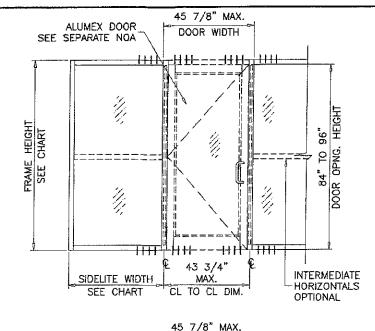
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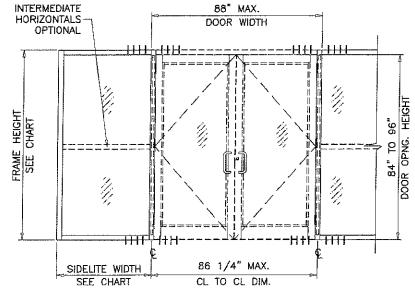


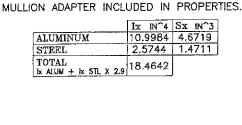


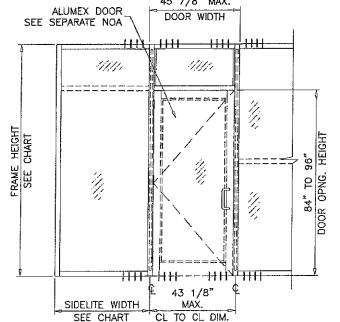
DOOR MULLION 'DM1'

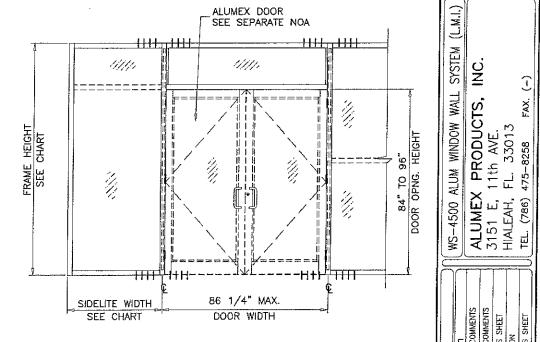




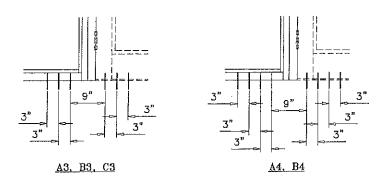








	DOOR MULLION ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
NOMINAL DIMS. ANCHORS TYPE 'A' ANCHORS TYPE 'B' ANCHORS TYPE 'C'										
SIDELITE WIDTH	FRAME HEIGHT	АЗ	A4	B3	B4	СЗ	C4			
30"		90,2	120.0	118.4	120.0	120.0	120.0			
36"		85.6	114.2	112.4	120.0	120.0	120.0			
42"	102"	81.5	108.6	107.0	120.0	120.0	120.0			
48"		77.7	103.6	102.0	120.0	120.0	120.0			
54"		74.3	99.0	97.5	120.0	120.0	120.0			
30"		86.9	115.9	114.1	120.0	120.0	120.0			
36"	100"	82.4	109,9	108.2	120.0	120.0	120.0			
42"	108"	78.3	104.4	102.9	120.0	120.0	120.0			
48"		74.6	99.5	98.0	120.0	120.0	120.0			
30"		83.9	111.8	110.1	120.0	120.0	120.0			
36"	444	79.4	105.9	104,3	120.0	120.0	120.0			
42"	114"	75.4	100.6	99.0	120.0	120.0	120,0			
4 8"		71.8	95.8	94.3	120.0	115.8	120.0			
30"		81.0	108.0	106.4	120.0	120.0	120.0			
36"	4.00%	76.6	102.2	100.6	120.0	120.0	120.0			
42"	120"	72.7	97.0	95.5	120.0	117.3	120.0			
48"		69.2	92.3	90.9	120.0	111.6	120.0			



ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION

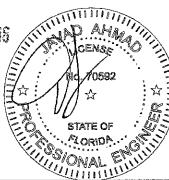
A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION B3=(3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION C3=(3) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION DOOR-WINDOW WALL TRANSITION MULLION

AUG 19 2018 **PRODUCT REVISED** as complying with the Florida Building Code 16-0525.05 Expiration Date 05/12/2020

Miami-Dade Product Control

NOA-No.



revisions:	no date	C 06.06.13	D 08.15,13	E 06.08.15	F 02.24.15	6 08.05,16		
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sheet 5 of 9

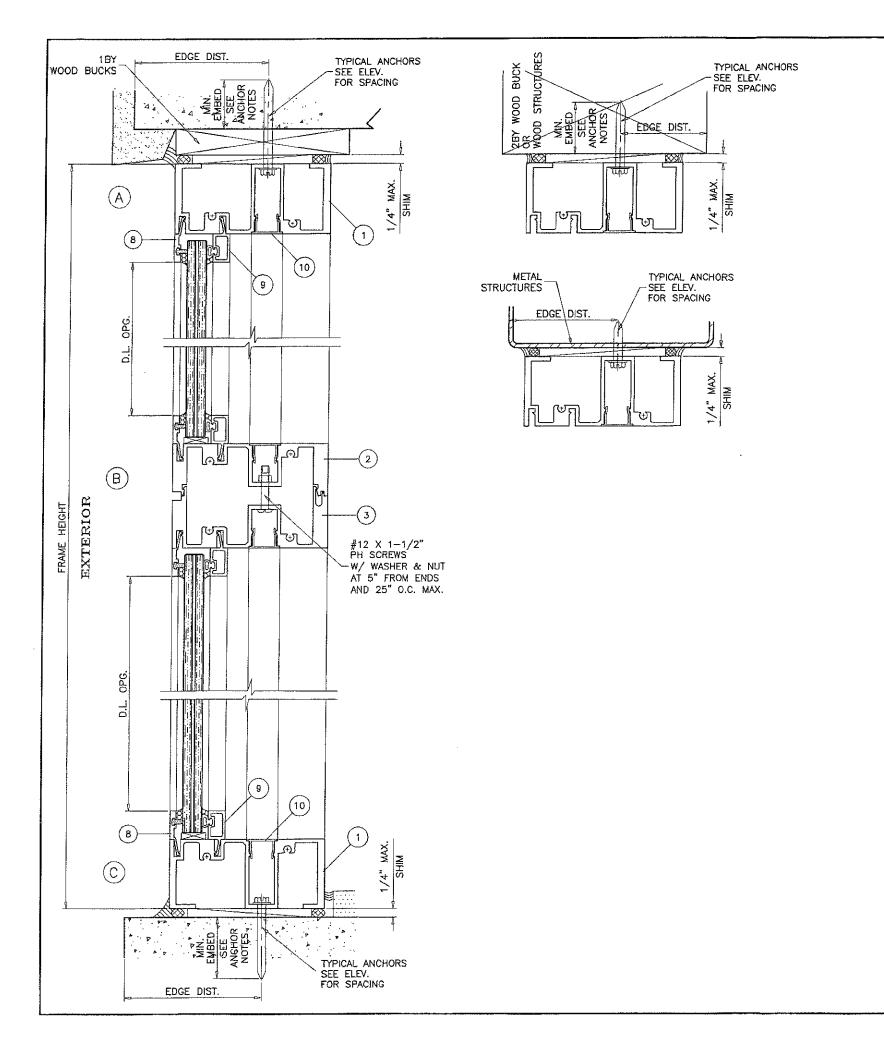
(C.A.N. 3538) FAX. (305) 262-6978 STORE\WO

AL-FARODQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

(L.M.I.)

SYSTEM

S



WOOD BUCKS AND METAL STRUCTURES NOT BY ALUMEX MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'

1/4" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO MASONRY (JAMBS)

DIRECTLY INTO CONCRETE OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO MASONRY (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B'

1/4" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
WITH 1-3/4" MIN. EMBED INTO CONC. (HEAD/SILL/JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE = 3" MIN.

TYPE 'C'

#14 SMS OR SELF DRILLING SCREWS ST/ST (GRADE 2 CRS)

INTO METAL STRUCTURES

STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.) ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

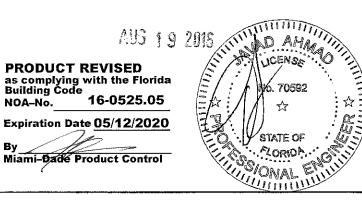
ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1/2" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 Min. CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH DOW CORNING 795 SEALANT.



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 331,73 (C.A.N. 3538)
TEL (305) 2648100 FAX. (305) 262-6978

(L.M.I.)

SYSTEM INC.

U

| WS-4500 ALUM WINDOW WALL | C 06.06.13 | REV. PER RER COMMENTS | ALUMEX PRODUCTS, | 2 06.08.15 | UPDATED TO 2014 FBC | F 02.24.16 | GENERAL REVISION | C 08.05.16 | REV. PER RER COMMENTS | TEL. (786) 475-8258 | FAX. (--

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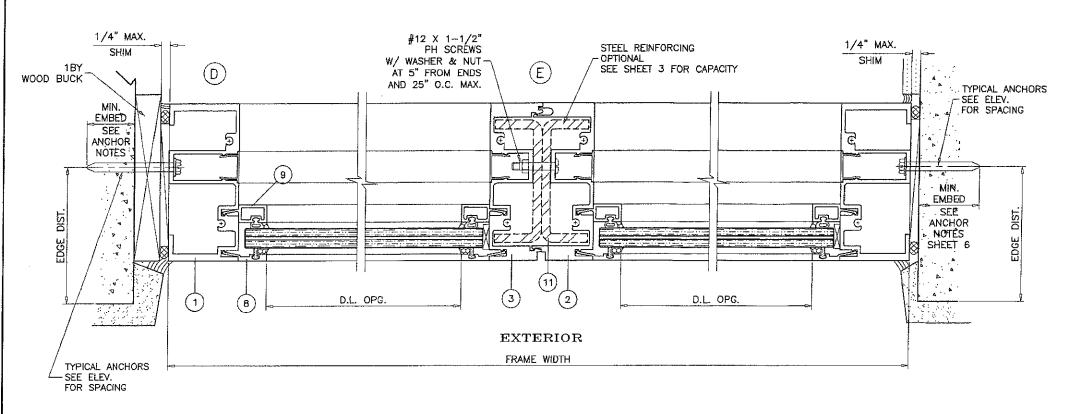
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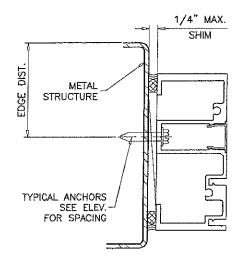
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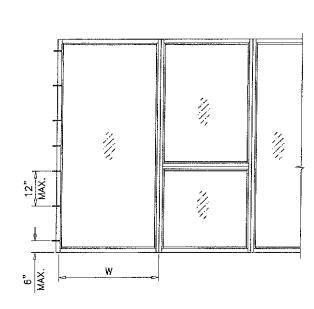
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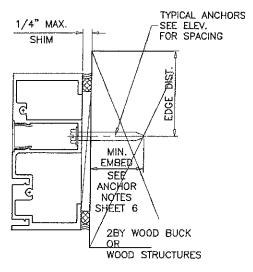
sheet 6 of 9







JAMB ANCHORS DESIGN LOAD CAPACITY - PSF					
·	TYPE 'A'	TYPE 'B'	TYPE 'C'		
WIDTH (W)	EXT.(+) !NT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)		
30"	150.0	150.0	150.0		
36"	150.0	150.0	150.0		
42"	147.4	150.0	150.0		
48"	129.0	150.0	150.0		
54"	114.7	150.0	150.0		
60*	103.2	150.0	150.0		

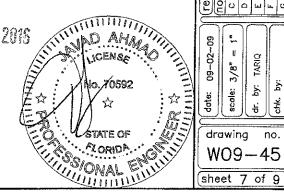


AUG 19 2015

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 16-0525.05

Expiration Date 05/12/2020

By Miami-Dade Product Control

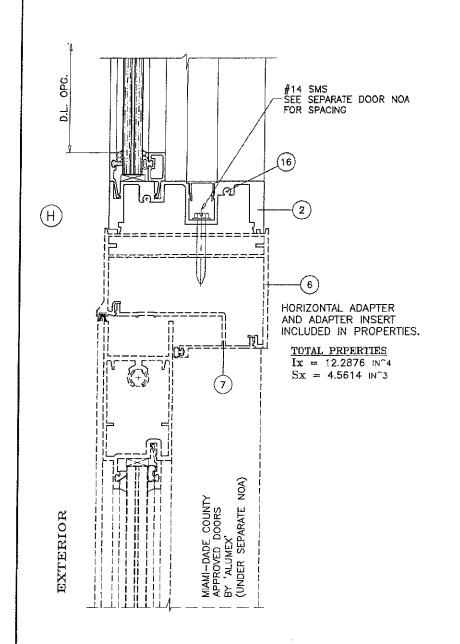


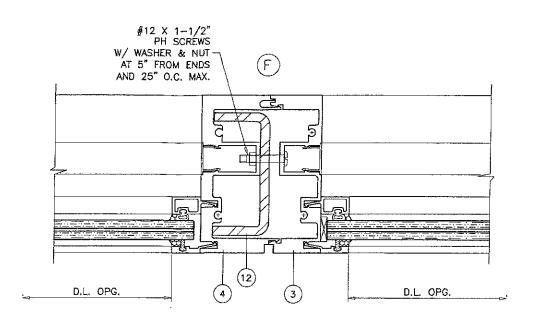
WO AEOO ALLES MILLS ON AEO	WS-4JUG ALUM WINDUW WALL SY	ALLIMEY DECIDIOTE IN	<u>,</u>	UIST E, LITH AVE.	HIALEAH, FL. 33013	TEL. (786) 475-8258 FAX. (-)	
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	by description	REV. PER RER COMMENTS	NO CHANGE THIS SHEET	UPDATED TO 2014 FBC	GENERAL REVISION	REV. PER RER COMMENTS	
revisions:	no date	C 06.06.13	D 08.15,13	E 06.08.15	F 02.24,16	6 08,05,16	
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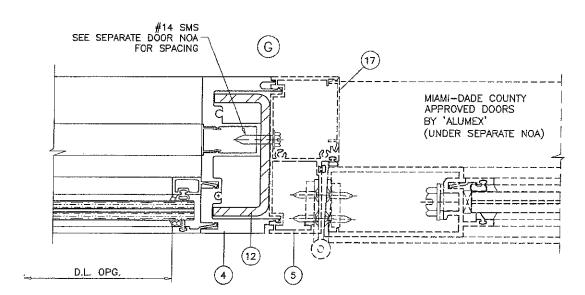
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL (305) 264-8100 FAX. (305) 262-6978

SYSTEM (L.M.I.)

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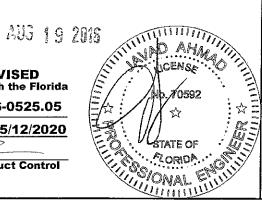




SEE SEPARATE NOA FOR DOOR DETAILS, DESIGN LOAD CAPACITY AND DOOR ANCHORS. LOWER VALUES FROM DOORS NOA OR STOREFRONT SYSTEM CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM. PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 16-0525.05

Expiration Date 05/12/2020

Miami-Dade Product Control



WS-4500 ALUM WINDOW WALL SYSTEM (L.M.I.) AL-FAROOQ CORPORATION	ENGINEERS & PRODUCT DEVELOPMENT	9360 SUNSET DRIVE, SUITE 220	MIAMI, FLORIDA 33173 (C.A.N. 3538)	TEL. (305) 264-8100 FAX (305) 262-6978	
WS-4500 ALUM WINDOW WALL SYSTEM (L.M.I.)	ALLIMEX PROPILICIES INC.	710 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	JIJI E, IIM AVE.	MIALEAH, FL. 33013	
description	REV. PER RER COMMENTS	REV. PER RER COMMENTS	NO CHANGE THIS SHEET	GENERAL REVISION	

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